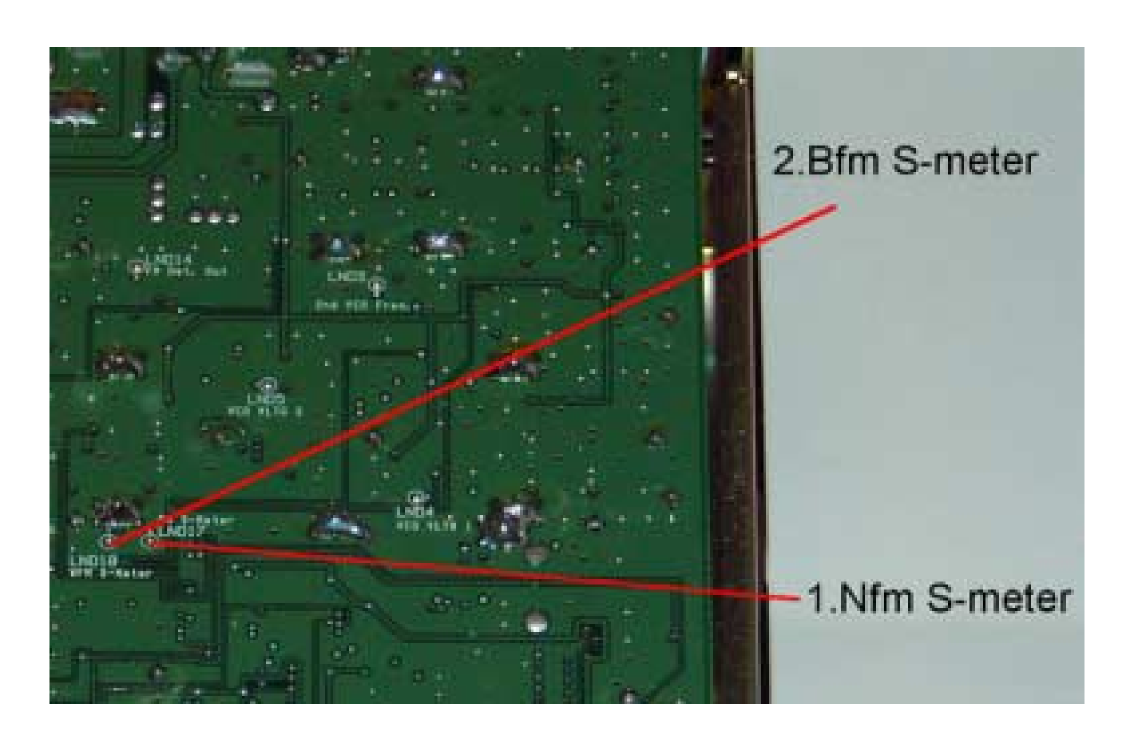
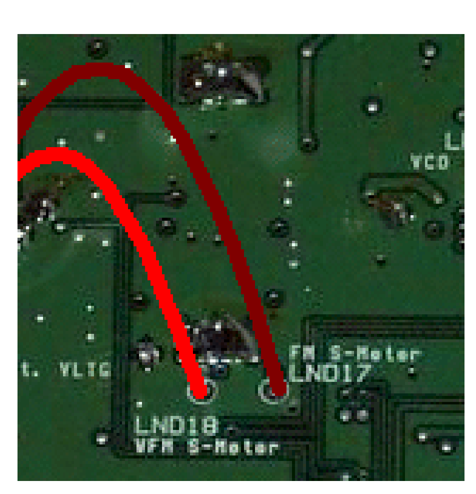
Informationen zur Verbesserung des S-Meter Verhaltens beim UNIDEN Bearcat UBC-780XLT

Achtung! Informationen wurden **NICHT** überprüft! **Bitte beachten.** Jegliche Änderungen können Gewährleistungsansprüche und Zulassungen erlöschen lassen! Die nachfolgenden Informationen sind **NUR** für den qualifizierten Service / Fachhandel gedacht!

The remark of the S-Indicator (a meter is something else !). The
>S-indication is indeed not ok at all. First of all only 6 bars is
>always to limited of coarse.
>
>However the receiver has potentially very good Rssi indicators with
>the used IC's !
>
>But the engineers did not use the full potential of them.

>It is however possible to have a far better range with a very simple
>modification. (indicator...not a meter!)
>
>This modification is:
>
>First turn both trimmers for NFM and WFM fully open. (take attention
>very small! take care!)
>
>And then solder 2 resistors to the testpoints NFM and BFM to ground.
>
>Than you will have a normal dynamic range...a normal indicator...not
>a meter. And Yes, the S-indication of NFM and BFM signals will read
>different..but as "indicators" they at least will work properly and
>meaningfull. (especially with a following analog metering-system).
>Every single db in the whole range gives a meterchange !
>
>This should also be true with the "SG" report via RS232. (As seen
>with a short test of the software CC780). I am not at all a soft
>specialist...however with some calibrationmaps of these data and a
>soft-developper (not me), you can imagine to have the potential of
>having a really beautifull and meaningfull good ranging indicator
>(in - dbm), nearly a real "Meter" seams possible ! (for example: an
>S-meter (plug-in))
>
>The used resistors to ground:
>
>NFM testpoint: LND17 trimmer:RT1 Resistor: 100K.
>
>WFM testpoint: LND18 trimmer:RT4 Resistor: 47K.


2.Bfm S-meter
1.Nfm S-meter


FM S-Meter
LND17
LND18
VFM S-Meter